

RAW SEQUENCE LISTING

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Application Serial Number: 10/506,443A
Source: PT/10
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DATE: 08/04/2005

PATENT APPLICATION: US/10/506,443A

TIME: 14:03:00

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\08042005\J506443A.raw

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3 <110> APPLICANT: Sahin Dr., Ugur
4       Tureci Dr., Ozlem
5       Koslowski Dr., Michael
7 <120> TITLE OF INVENTION: Genetic Products Differentially Expressed in Tumors and Use
Thereof
9 <130> FILE REFERENCE: 342-3PCT
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/506,443A
C--> 11 <141> CURRENT FILING DATE: 2004-09-01
11 <160> NUMBER OF SEQ ID NOS: 100
13 <170> SOFTWARE: PatentIn version 3.1
15 <210> SEQ ID NO: 1
16 <211> LENGTH: 1171
17 <212> TYPE: DNA
18 <213> ORGANISM: Homo sapiens
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25 taaaattact attggtggaa ctgggtgccg aggcattggc tgtgctatta gtatcttact      180
27 gaaggatttg gctgatgaac ttgcccttgt tgatgttgca ttggacaaac tgaagggaga      240
29 aatgatggat cttcagcatg gcagtctttt ctttagtact tcaaagatta cttctggaaa      300
31 agattacagt gtatctgcaa actccagaat agttattgtc acagcagggt caaggcagca      360
33 ggagggagaa actcgccttg ccctgggtcca acgtaatgtg gctataatga aatcaatcat      420
35 tcttgccata gtccattata gtctgtattg taaaattctt gttgtttcaa atccagtggga      480
37 tattttgaca tatatagtct ggaagataag tggcttacct gtaactcgtg taattggaag      540
39 tgggttgaat ctgactctcg cccgtttccg ttacctaat ggagaaaagt tgggtgtcca      600
41 cccacaagc tgccatgggt ggattattgg agaacatggg gattctagtg tgcccttatg      660
43 gagtgggggt aatgttgctg gtgttgctct gaagactctg gaccctaaat taggaacgga      720
45 ttcagataag gaacactgga aaaatatcca taaacaagtt attcaaagt cctatgaaat      780
47 tatcaagctg aaggggtata cctcttgggc tattggactg tctgtgatgg atctggtagg      840
49 atccattttg aaaaatctta ggagagtgca cccagtttcc accatggtta agggattata      900
51 tggaataaaa gaagaactct ttctcagtat cccttgtgtc ttggggcgga atggtgtctc      960
53 agatgttgtg aaaattaact tgaattctga ggaggaggcc cttttcaaga agagtgcaga      1020
55 aacacttttg aatattcaaa aggatctaata attttaaatt aaagccttct aatgttccac      1080
57 tgtttggaga acagaagata gcaggctgtg tattttaaat tttgaaagta ttttcattga      1140
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63 <211> LENGTH: 1053
64 <212> TYPE: DNA
65 <213> ORGANISM: Homo sapiens
67 <400> SEQUENCE: 2
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70 gtcaactgtc aaggagcagc taattgagaa gctaattgag gatgatgaaa actcccagtg      120
72 taaaattact attggtggaa ctgggtgccg aggcattggc tgtgctatta gtatcttact      180
74 gaagattaca gtgtatctgc aaactccaga atagttattg tcacagcagg tgcaaggcag      240

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76 caggagggag aaactcgct tgcctggct caacgtaatg tggctataat gaaatcaatc 300
78 attcctgcc tagtccatta tagtctgat tgtaaaattc ttgttgtttc aaatccagt 360
80 gatattttga catatatagt ctggaagata agtggcttac ctgtaactcg tgaattgga 420
82 agtgggtgta atctagactc tgcccgtttc cgttacctaa ttggagaaaa gttgggtgct 480
84 caccacacaa gctgccatgg ttggattatt ggagaacatg gtgattctag tgtgccctta 540
86 tggagtgggg tgaatgttgc tgggtgtgct ctgaagactc tggaccctaa attaggaacg 600
88 gattcagata aggaacactg gaaaaatata cataaacaag ttattcaaag tgcctatgaa 660
90 attatcaagc tgaaggggta tacctcttgg gctattggac tgtctgtgat ggatctggta 720
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94 tatggaataa aagaagaact ctttctcagt atcccttgtg tcttggggcg gaatgggtgc 840
96 tcagatgttg tgaataataa cttgaattct gaggaggagg cccttttcaa gaagagtgc 900
98 gaaacacttt ggaatattca aaaggatcta atatttttaa ttaaagcctt ctaatgttcc 960
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108 <213> ORGANISM: Homo sapiens
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115 taaaattact attgttgga ctggtgccgt aggcattggc tgtgctatta gtatcttact 180
117 gaagtggata ttttgacata tatagtctgg aagataagtg gcttacctgt aactcgtgta 240
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121 ggtgtccacc ccacaagctg ccattgggttg attattggag aacatgggtga ttctagtgtg 360
123 cccttatgga gtggggtgaa tgttgcctgg gttgctctga agactctgga ccctaaatta 420
125 ggaacggatt cagataagga aacttgaaa aatatccata aacaagttat tcaaagtgc 480
127 tatgaaatta tcaagctgaa ggggtatacc tcttgggcta ttggactgtc tgtgatggat 540
129 ctggttaggat ccattttgaa aaactctagg agagtgcacc cagtttccac catggttaag 600
131 ggattatatg gaataaaaga agaactctt ctcagtatcc cttgtgtctt ggggcggaat 660
133 ggtgtctcag atgttgtgaa aattaacttg aattctgagg aggaggccct tttcaagaag 720
135 agtgcagaaa cactttggaa tattcaaaag gatctaatat tttaaattaa agccttctaa 780
137 tgttccactg tttggagaac agaagatagc aggtgtgtga ttttaaattt tgaaagtatt 840
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143 <211> LENGTH: 811
144 <212> TYPE: DNA
145 <213> ORGANISM: Homo sapiens
147 <400> SEQUENCE: 4
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150 gtcaactgtc aaggagcagc taattgagaa gctaattgag gatgatgaaa actcccagt 120
152 taaaattact attgttgga ctggtgccgt aggcattggc tgtgctatta gtatcttact 180
154 gaagattaca gtgtatctgc aaactccaga atagttattg tcacagcagg tgcaaggcag 240
156 caggagggag aaactcgct tgcctggct caacgtaatg tggctataat gaaatcaatc 300
158 attcctgcc tagtccatta tagtctgat tgtaaaattc ttgttgtttc aaatccagt 360
160 gatattttga catatatagt ctggaagata agtggcttac ctgtaactcg tgaattgga 420
162 agtgggtgta atctagactc tgcccgtttc cgttacctaa ttggagaaaa gttgggtgct 480
164 caccacacaa gctgccatgg ttggattatt ggagaacatg gtgattctag tgggattata 540
166 tggaataaaa gaagaactct ttctcagtat cccttgtgtc ttggggcgga atgggtgtct 600

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168 agatgtttgtg aaaattaact tgaattctga ggaggaggcc cttttcaaga agagtgcaga      660
170 aacacttttg aatattcaaa aggatcta attttaaatt aaagccttct aatgttccac      720
172 tgtttgagaga acagaagata gcaggctgtg tattttaaat tttgaaagta ttttcattga      780
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180 <213> ORGANISM: Homo sapiens

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187 taaaattact attgttgga ctggtgccgt aggcattggt tgtgctatta gtatcttact      180
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197 tcctgccata gtccattata gtcctgattg taaaattcct gttgtttcaa atccagtgg      480
199 tatttttgaca tatatagtct ggaagataag tggcttacct gtaactcgtg taattggaag      540
201 tggttgtaat ctagactctg ccggtttccg ttacctaat ggagaaaagt tgggtgtcca      600
203 cccacaagc tgccatggtt ggattattgg agaactggtt gattctagtg tgcccttatg      660
205 gagtggggtg aatgttgctg gtgttgctct gaagactctg gaccctaaat taggaacgga      720
207 ttcagataag gaactctgga aaaatatcca taaacaagtt attcaaaggg attatatgga      780
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211 gttgtgaaaa ttaacttgaa ttctgaggag gaggcccttt tcaagaagag tgcagaaaca      900
213 ctttggaata ttcaaaagga tctaattatt taaattaaag ctttctaag ttccactgtt      960
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220 <210> SEQ ID NO: 6

221 <211> LENGTH: 332

222 <212> TYPE: PRT

223 <213> ORGANISM: Homo sapiens

225 <400> SEQUENCE: 6

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232          20          25          30
235 Met Ala Cys Ala Ile Ser Ile Leu Lys Asp Leu Ala Asp Glu Leu
236          35          40          45
239 Ala Leu Val Asp Val Ala Leu Asp Lys Leu Lys Gly Glu Met Met Asp
240          50          55          60
243 Leu Gln His Gly Ser Leu Phe Phe Ser Thr Ser Lys Ile Thr Ser Gly
244 65          70          75          80
247 Lys Asp Tyr Ser Val Ser Ala Asn Ser Arg Ile Val Ile Val Thr Ala
248          85          90          95
251 Gly Ala Arg Gln Gln Glu Gly Glu Thr Arg Leu Ala Leu Val Gln Arg
252          100         105         110
255 Asn Val Ala Ile Met Lys Ser Ile Ile Pro Ala Ile Val His Tyr Ser
256          115         120         125
259 Pro Asp Cys Lys Ile Leu Val Val Ser Asn Pro Val Asp Ile Leu Thr

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260      130      135      140
263 Tyr Ile Val Trp Lys Ile Ser Gly Leu Pro Val Thr Arg Val Ile Gly
264 145      150      155      160
267 Ser Gly Cys Asn Leu Asp Ser Ala Arg Phe Arg Tyr Leu Ile Gly Glu
268      165      170      175
271 Lys Leu Gly Val His Pro Thr Ser Cys His Gly Trp Ile Ile Gly Glu
272      180      185      190
275 His Gly Asp Ser Ser Val Pro Leu Trp Ser Gly Val Asn Val Ala Gly
276      195      200      205
279 Val Ala Leu Lys Thr Leu Asp Pro Lys Leu Gly Thr Asp Ser Asp Lys
280      210      215      220
283 Glu His Trp Lys Asn Ile His Lys Gln Val Ile Gln Ser Ala Tyr Glu
284 225      230      235      240
287 Ile Ile Lys Leu Lys Gly Tyr Thr Ser Trp Ala Ile Gly Leu Ser Val
288      245      250      255
291 Met Asp Leu Val Gly Ser Ile Leu Lys Asn Leu Arg Arg Val His Pro
292      260      265      270
295 Val Ser Thr Met Val Lys Gly Leu Tyr Gly Ile Lys Glu Glu Leu Phe
296      275      280      285
299 Leu Ser Ile Pro Cys Val Leu Gly Arg Asn Gly Val Ser Asp Val Val
300      290      295      300
303 Lys Ile Asn Leu Asn Ser Glu Glu Glu Ala Leu Phe Lys Lys Ser Ala
304 305      310      315      320
307 Glu Thr Leu Trp Asn Ile Gln Lys Asp Leu Ile Phe
308      325      330
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312 <211> LENGTH: 51
313 <212> TYPE: PRT
314 <213> ORGANISM: Homo sapiens
316 <400> SEQUENCE: 7
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319 1      5      10      15
322 Glu Asn Ser Gln Cys Lys Ile Thr Ile Val Gly Thr Gly Ala Val Gly
323      20      25      30
326 Met Ala Cys Ala Ile Ser Ile Leu Leu Lys Ile Thr Val Tyr Leu Gln
327      35      40      45
330 Thr Pro Glu
331      50
334 <210> SEQ ID NO: 8
335 <211> LENGTH: 216
336 <212> TYPE: PRT
337 <213> ORGANISM: Homo sapiens
339 <400> SEQUENCE: 8
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345 Ile Leu Val Val Ser Asn Pro Val Asp Ile Leu Thr Tyr Ile Val Trp
346      20      25      30
349 Lys Ile Ser Gly Leu Pro Val Thr Arg Val Ile Gly Ser Gly Cys Asn
350      35      40      45

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353 Leu Asp Ser Ala Arg Phe Arg Tyr Leu Ile Gly Glu Lys Leu Gly Val
354      50              55              60
357 His Pro Thr Ser Cys His Gly Trp Ile Ile Gly Glu His Gly Asp Ser
358 65              70              75              80
361 Ser Val Pro Leu Trp Ser Gly Val Asn Val Ala Gly Val Ala Leu Lys
362              85              90              95
365 Thr Leu Asp Pro Lys Leu Gly Thr Asp Ser Asp Lys Glu His Trp Lys
366      100              105              110
369 Asn Ile His Lys Gln Val Ile Gln Ser Ala Tyr Glu Ile Ile Lys Leu
370      115              120              125
373 Lys Gly Tyr Thr Ser Trp Ala Ile Gly Leu Ser Val Met Asp Leu Val
374      130              135              140
377 Gly Ser Ile Leu Lys Asn Leu Arg Arg Val His Pro Val Ser Thr Met
378 145              150              155              160
381 Val Lys Gly Leu Tyr Gly Ile Lys Glu Glu Leu Phe Leu Ser Ile Pro
382              165              170              175
385 Cys Val Leu Gly Arg Asn Gly Val Ser Asp Val Val Lys Ile Asn Leu
386      180              185              190
389 Asn Ser Glu Glu Glu Ala Leu Phe Lys Lys Ser Ala Glu Thr Leu Trp
390      195              200              205
393 Asn Ile Gln Lys Asp Leu Ile Phe
394      210              215
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398 <211> LENGTH: 45
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409      20              25              30
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413      35              40              45
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417 <211> LENGTH: 76
418 <212> TYPE: PRT
419 <213> ORGANISM: Homo sapiens
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427 Val Ser Thr Met Val Lys Gly Leu Tyr Gly Ile Lys Glu Glu Leu Phe
428      20              25              30
431 Leu Ser Ile Pro Cys Val Leu Gly Arg Asn Gly Val Ser Asp Val Val
432      35              40              45
435 Lys Ile Asn Leu Asn Ser Glu Glu Glu Ala Leu Phe Lys Lys Ser Ala
436      50              55              60
439 Glu Thr Leu Trp Asn Ile Gln Lys Asp Leu Ile Phe
440 65              70              75
443 <210> SEQ ID NO: 11

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